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**From:** MacMillan, Denise [MacMillan.Denise@epa.gov]  
**Sent:** 1/12/2022 3:37:51 PM  
**To:** Blackwell, Brett [Blackwell.Brett@epa.gov]; Biales, Adam [Biales.Adam@epa.gov]; Purucker, Tom [Purucker.Tom@epa.gov]  
**CC:** Ulrich, Elin [Ulrich.Elin@epa.gov]  
**Subject:** RE: Omics for AltEn

Thanks Everyone for your replies! It sounds like AltEn would be a stretch for all of us considering everything else that is going on.

Best,  
Denise

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**From:** Blackwell, Brett <Blackwell.Brett@epa.gov>  
**Sent:** Thursday, January 6, 2022 5:33 PM  
**To:** Biales, Adam <Biales.Adam@epa.gov>; MacMillan, Denise <MacMillan.Denise@epa.gov>; Purucker, Tom <Purucker.Tom@epa.gov>  
**Cc:** Ulrich, Elin <Ulrich.Elin@epa.gov>  
**Subject:** RE: Omics for AltEn

## Ex. 5 Deliberative Process (DP)

Brett

Brett Blackwell, PhD (he/him/his)  
U.S. EPA Great Lakes Toxicology and Ecology Division (GLTED)  
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218-529-5078 | Cell: Ex. 5 Personal Privacy (PP)  
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**From:** Biales, Adam <Biales.Adam@epa.gov>  
**Sent:** Thursday, January 06, 2022 4:06 PM  
**To:** MacMillan, Denise <MacMillan.Denise@epa.gov>; Blackwell, Brett <Blackwell.Brett@epa.gov>; Purucker, Tom <Purucker.Tom@epa.gov>  
**Cc:** Ulrich, Elin <Ulrich.Elin@epa.gov>  
**Subject:** RE: Omics for AltEn

Hi Denise,

I am still trying to figure out if we have the bandwidth to propose something here, but yes, I am open to discussing a collaborative project and I definitely agree that the lipidomics and metabolomics could add greatly. I have added Tom Purucker to this email in case he has anything to add.

Adam Biales, Ph.D.  
(he/him/his)  
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**From:** MacMillan, Denise <[MacMillan.Denise@epa.gov](mailto:MacMillan.Denise@epa.gov)>  
**Sent:** Wednesday, January 5, 2022 12:08 PM  
**To:** Biales, Adam <[Biales.Adam@epa.gov](mailto:Biales.Adam@epa.gov)>; Blackwell, Brett <[Blackwell.Brett@epa.gov](mailto:Blackwell.Brett@epa.gov)>  
**Cc:** Ulrich, Elin <[Ulrich.Elin@epa.gov](mailto:Ulrich.Elin@epa.gov)>  
**Subject:** Omics for AltEn

Hi Adam and Brett,

Elin mentioned that you both are proposing exposure work with AltEn samples. Would you be interested in talking about a collaboration involving lipidomics and metabolomics on exposed matrices? I'm doing similar work with other projects and think biochemistry could be a meaningful contribution to the AltEn effort.

Thanks,  
Denise

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